

Patent Application of Mark C. Blackwood

for

Alignment Pulley

Page 2

ABSTRACT

A deck mountable pulley designed to align automobiles with the rear of a flat bed truck, from any angle, up to ninety degrees from the longitude axis of the pulley.

The present invention, working in concert with a winch and suitable length of cable, will allow for the operator of a flatbed wrecker to pull an automobile out of hard to reach places and align one end of the automobile with the back end of the flatbed truck.

A pulley cable moves around a rotatable drum, affixed to the rear of the flat bed tow truck. The drum is mounted to a base plate having a center spindle. The spindle is set into a similar circumference sized receiving hole on the rear deck of the flat bed truck. A retaining pin is inserted crossways through the bottom portion of the spindle, which when correctly installed, is located directly underneath the bed of the wrecker, to provide stability for the pulley.

Two L-shaped brackets, mounted on top of the base plate, rise vertically on opposing sides of the base plate and are outside the perimeter of the rotatable drum. The purpose of the L-shaped brackets, is to keep the cable in place, should the cable become slack, while the cable rotates around the drum.